ARKDALE LAKE MANAGEMENT PLAN			
AQUATIC SPECIES MANAGEMENT	Page 29		
GOALS and ACTION ITEMS	WHO	WHEN	FINANCE
Goal A: Revise aquatic plant management plan to improve aquatic ecosystem,			
including controlling current invasive species (EWM & CLP) and preventing			
introduction of other exotic using an integrated approach.			
Continue volunteer monitoring group monitor aquatic plant growth at least monthly	Arkdale Lake Association	ongoing	time &
during growth season to identify any areas of especially dense growth that will interfere	Adams LWCD	origoning	county staff
with recreational activities or habitat & any aquatic invasives.	Additis EWOD		County Stair
2. Apply for permit to mechanically harvest navigational channel from boat ramp area	Arkdale Lake Association	ongoing	time
through the narrows at least every 3 weeks to keep narrows open and to reduce	Adams LWCD		state &
potential spread of EWM, which is located directly around the boat ramp and would	WDNR		county
be fragmented by boat traffic going through it. This application will include a map			staff
specifically identifying the areas to be mechanically harvested.			
Carry out mechanical harvesting per plan in permit.	Arkdale Lake Association	ongoing	ALA
Annually develop harvest map no later than December of the prior year	ALA	annually	time &
to allow the harvesting map to be attached to a permit application.	Adams LWCD, WDNR	,	county staff
5. Annually conduct mapping of Eurasian Watermilfoil plants. Conduct monthly	ALA		PLD
hand-pulling events between May and August of isolated colonies or plants.	Adams LWCD, WDNR	angaing	county
nand-pulling events between May and August of Isolated colonies of plants.	Adams LWCD, WDNR	ongoing	& state
			staff
Integrate these activities into an aquatic species management plan that uses	ALA		PLD
various control methods.	Adams LWCD, WDNR	ongoing	county
various control methods.	Additis LWOD, WDIVIT	origoning	staff
7. Conduct updated aquatic plant survey by 2010 and every 4 to 5 years thereafter,	Arkdale Lake Association	2010	county
comparing the results to prior surveys, including the one completed by Adams County LWCD in 2005.	Adams LWCD, WDNR		staff

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ARKDALE LAKE MANAGEMENT PLAN			
AQUATIC SPECIES MANAGEMENT	Page 30		
GOALS and ACTION ITEMS	WHO	WHEN	FINANCE
Inventory lake for existence of native weevils that weaken EWM growth.	ArkdaleLake Association		ALA
o. Inventory lake for existence of halive weevile that weaken Evvin growth.	Adams LWCD, WDNR	2009	county
Adams County LWCD will develop an informational packet for lake property	Adams County LWCD	2009	county
owners & lake users about invasive species and preventing their spread, then provide the packet to the Arkdale Lake Association for distribution.	Arkdale Lake Association		staff ALA

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WHO	WHEN	FINANCE
Arkdale Lake Association	2009-2010	WDNR
WDNR, Adams LWCD	2000 2010	staff
Arkdale Lake Association	ongoing	state &
Adams LWCD, WDNR		county
Autololo I also Association		
WDNR	ongoing	ALA WDNR
Arkdale Lake Association	ongoing	town &
Town of Strongs Prairie		ALA time
Arkdale Lake Association	2008-2011	time
residents		only
Arkdale Lake Association	2008	time
Adams County Parks		Parks staff
	2009	time
	MHO Arkdale Lake Association WDNR, Adams LWCD Arkdale Lake Association Adams LWCD, WDNR Arkdale Lake Association WDNR Arkdale Lake Association Town of Strongs Prairie Arkdale Lake Association residents	Arkdale Lake Association WDNR, Adams LWCD Arkdale Lake Association Adams LWCD, WDNR Arkdale Lake Association WDNR Arkdale Lake Association WDNR Arkdale Lake Association Town of Strongs Prairie Arkdale Lake Association residents Arkdale Lake Association 2008-2011 Arkdale Lake Association 2008 Adams County Parks Arkdale Lake Association 2009

ARKDALE LAKE MANAGEMENT PLAN			
OTHER MANAGEMENT ISSUES	Page 34		
GOALS and ACTION ITEMS	<u>WHO</u>	<u>WHEN</u>	<u>FINANCE</u>
Goal A: Protect sensitive/critical habita areas for their habitat value to			
Arkdale Lake.			
Provide education on the location and importance of the critical habitat	ArkdaleLake Association	ongoing	time
areas on Arkdale Lake through handouts, meetings and on-lake demonstration.	Adams County LWCD		county
	-		staff
Goal A: Encourage diversity of wildlife around lake & incorporate public use.			
Clourage diversity of whome around take & incorporate public use.			time
Conduct survey of lake users & owners to determine if they would like to	ArkdaleLake Association	2009	county
encourage particular types of wildlife, including songbirds & waterbirds;	Adams County LWCD		staff
determine what they value most about Arkdale Lake; determine what			
they believe are the main negatives and positives about Arkdale Lake.			
Obtain funding & install practices to encourage the desired wildlife, including	Arkdale Lake Association	2009-2011	grant?
buffers.			Ŭ
Incorporate results into the lake management plan.	Arkdale Lake Association	2009-2011	time
or morporate rooms into the late management plan.	7 industration	2000 2011	only

Arkdale LAKE MANAGEMENT PLAN			
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EDUCATION	_		
GOALS and ACTION ITEMS	<u>WHO</u>	WHEN	FINANCE
Goal A: Educate community and public about lake management concerns.			
Establish community events to encourage & educate the community about	Arkdale Lake Association	ongoing	time
lake conservation practices, as well as recruit volunteers for various lake projects.	Adams LWCD		county staff
2. Set up & maintain website for posting lake association information & educational	Arkdale Lake Association	ongoing	time only
information. Paper copies will be provided for those with no computer access.			
3. Place informational kiosks at all public access sites and at the Old Mill	Arkdale Lake Association	2009	time
about actions citizens can take to improve/maintain water quality	Adams LWCD, WDNR		info from
& other lake issues & maintain exotic species signs at public accesses.	,		county & state
4. Implement education of lake users, lakefront owners & watershed community on	Adams LWCD, WDNR	ongoing	time
identification & control of exotic species by publication & website information	Arkdale Lake Association		county staff
and involvement in Clean Boats, Clean Waters.			
5. Develop & distribute an informational packet regarding lake issues,	Adams LWCD	2009	time
water quality & best management practices to watershed citizens &	Arkdale Lake Association		county staff
businesses, including yard care, soil testing & funding.			j
6. Request that lakefront property owners not to use fertilizers or chemicals within	Arkdale Lake Association	ongoing	time only
200' of the water. Recommend that they perform soil tests on lawns prior to	Lake Alliance	origonig	landowners
use of any fertilizer. If fertilizer is called for, only the recommended amount should	Adams LWCD, WDNR		landowners
be used, or a no-phosphorus fertilizer.	Additis EWOD, WDIVIT		
, , , , , , , , , , , , , , , , , , ,			
7. Distribute information on hand-harvesting of aquatic plants of not more the	Arkdale Lake Association	2009	time
30' wide corridor (for each 100' of shoreline) for access & viewing on lakefront	Adams LWCD, WDNR		info from
properties to encourage landowners to limit clearing nearshore water areas.			county & state
Provide education regarding aging septic systems and related waste issues.	Adams LWCD	ongoing	time
	Arkdale Lake Association	0.190119	county info

Arkdale LAKE MANAGEMENT PLAN			
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WATER QUALITY			
GOALS and ACTION ITEMS	WHO	WHEN	FINANCE
Goal A: Maintain & improve present water quality & prevent algal blooms.			
waintain & improve present water quanty & prevent algar blooms.			
Establish and identify in-lake water quality goals with measurable targets for	Arkdale Lake Association	2009	time
determining progress in protecting the lake, using the information presented	Adams LWCD		only
in the Adams County Lake Classification Report due out in 2008.			
			_
2. Continue using volunteers for monitoring of lake water quality with participation	Adams LWCD, WDNR	ongoing	time
in the DNR Citizen Monitoring Program, with monitoring results being compared	Arkdale Lake Association		WDNR
to 2004-2006 water quality data collected by Adams County LWCD.			Monitoring
3. Protect water quality, undeveloped property and critical habitat areas by	Adams LWCD, WDNR	2010-2012	time
investigating purchase of permanent conservation easements and applying for.	Arkdale Lake Association		county
WDNR funding to assist in such purchases. If funds are obtained, purchase			staff
easements/development rights to prevent degradation of shore & water quality.			grant?
4. Set up study protocol and parameters to investigate impact of septic systems	Adams LWCD, WDNR	2008	time
and spring locations on lake water quality.	Arkdale Lake Association		grant?
	Adams County P & Z		county staff
Goal B: Restore natural shore conditions in riparian areas & incorporate			
stormwater runoff protection to reduce erosion in and around Arkdale Lake.			
Inventory & recruit at least 3 lake front property owners for shore protection &	Adams LWCD	2008-2011	time
runoff control installation. Habitat may include plantings for Karner Blue Butterfly.	Arkdale Lake Association		county staff
,			,
2. Design & install at least 5 pilot shore & runoff protection demonstration sites over	WDNR, Adams LWCD	2008-2011	county staff
the next 3 years.	Arkdale Lake Association		landowners
3. Provide funding to landowners to assist in installation of shore protection,	WDNR, Adams LWCD	2009-2010	DATCP or
erosion control & stormwater runoff management.	Arkdale Lake Association		WDNR grant
Restore original stream meanders to improve filtering quality and habitat.	Adams LWCD	2011-2012	time
January and the state of the st	WDNR, Adams LWCD		county
			staff
			grant?

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GOALS and ACTION ITEMS	WHO	WHEN	<u>FINANCE</u>
Goal C: Implement goose control plan to reduce nutrient input into lake by goose			
waste.			
	U.S. Fish & Wildlife		fed &
Develop & implement plan for goose control around the lake.	Adams LWCD	2010	state govt
	Arkdale Lake Association		time
Goal D: Develop stream monitoring program for area between Big Roche a Cri Lake			
and Arkdale Lake.			
Develop and train group of volunteers to monitor water quality of streams.	Adams LWCD	ongoing	time
	Arkdale Lake Association		county staff
Set up schedule for volunteers to continue monitoring stream.	Adams LWCD	ongoing	time
2. Set up scriedule for volunteers to continue monitoring stream.	Arkdale Lake Association	origoing	
	Arkdale Lake Association		county staff
Goal E: Develop & implement plan for management of rusty crayfish.			
			time
1. Meet with WDNR and Adams County LWCD to develop plan for management of	Adams LWCD, WDNR	2008	state &
rusty crayfish.	Arkdale Lake Association		county staff
Plan must include steps to restore native aquatic vegetation where it has been reduced	Adams LWCD, WDNR	2008	time
or removed by the rusty crayfish.	Arkdale Lake Association	2006	state &
or removed by the rusty crayiish.	Ardale Lake Association		county staff
3. Apply for grant from WDNR to implement plan for management of rusty crayfish.	Arkdale Lake Association	2009-2010	grant?
WATER QUANTITY			
Goal A: Determine ways to increase depth of lake in navigational channels and			
implement plan to do so.			
Investigate options for deepening lake in navigational channels to promote water quality,	Adams LWCD	ongoing	time
water quantity and water safety.	Arkdale Lake Association	origoning	uiiie
water quantity and water salety.	AINUAIC LANC ASSOCIATION		
2. If options are financially feasible, develop plan for deepening channels and apply for grant	Adams LWCD, WDNR	ongoing	grant?
from WDNR to assist in costs. The plan may also include restoring some of the	Arkdale Lake Association		county staff
upstream meanders and installing a sediment basin to reduce sediment coming into			
Arkdale Lake.			

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DAMAMACEMENT		Page 32	
DAM MANAGEMENT			
GOALS and ACTION ITEMS	WHO	WHEN	FINANCE
<u> </u>			
Goal A: Maintain & operate Arkdale Dam to insure public			
safety, proper dam function, and stable lake level.			
Conduct annual inspections and record findings as required by	Arkdale Lake Association	annually	ALA
WDNR standards.	professional engineer		
O Llive firm to perform dem breek englysis	Arkdolo Loko Apposiation	2010	ALA
Hire firm to perform dam break analysis.	Arkdale Lake Association	2010	ALA
Develop Emergency Action Plan.	Arkdale Lake Association	2011	time &
1 3 7	Adams LWCD		county
			staff
4. Operate, inspect & repair dam to meet Wisconsin laws in	Arkdale Lake Association	annually	time
Chapter 31 and NR Chapter 330.	AIROAIE LARE ASSOCIATION	aririualiy	time
Onapier of and Mit Onapier 550.			
5. Implement plan to set aside an amount each year to be reserved	Arkdale Lake Association	annually	time
for required repairs.		-	

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ARKDALE LAKE MANAGEMENT PLAN			
GOALS AND ACTION ITEMS			
	<u>WHO</u>	<u>WHEN</u>	<u>FINANCE</u>
OUTSIDE THE SHORELAND AREA			
Goal A: Reduce nutrients entering lake from watershed.			
Implement State Agricultural Performance Standards by inventorying watershed and	Adams LWCD, NRCS	2011	county
documenting: runoff from livestock confinement operations entering surface waters;	DNR, Agric. Producers	to	& state
livestock direct access sites; uncontained livestock manure storage facilities;	private organizations	2012	staff
soil erosion sites, and producers not implementing nutrient management plans and			
irrigation water management plans.			
2. Develop working partnership with the county, town & state highway	Arkdale Lake Association	2009-2012	time
departments to decrease runoff from roads that are currently ending	Adams LWCD		town,
up in the lake by installing runoff and erosion control practices.	Town of S. Prairie		county &
	Adams County Hghway		state
			staff
Perform specific stormwater assessment on residential properties, including	Arkdale Lake Association	2009-2012	landowners
shore properties, and other development to determine methods to manage	Adams LWCD		county &
stormwater runoff.			staff
4. Work with Big Roche a Cri Watershed Advisory Group, Big Roche a Cri	Arkdale Lake Association	2009-2012	time from ALA
Lake District and Adams County to develop an integrated plan for reducing input	Adams LWCD	2003-2012	county &
into Arkdale Lake from Big Roche a Cri Lake.	Big Roche a Cri Lake District		BRC Lake District
INIO AIROAIE LARE HOITI DIY NOCHE A OH LARE.	Watershed Advisory Group		DI 10 Lake DISTICT
	vvalershed Advisory Group		